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\*\* CONTINUING DATA \*\*\*\*\* None

 \*\* FOREIGN APPLICATIONS \*\*\*\*\* OK DW  
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35 USC 119 (a-d) conditions met <input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance				
Verified and Acknowledged	Examiner's Signature 	Initials 		

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## TITLE

Brown oxide pretreatment composition for cleaning copper surface and improving adhesion of polyimide surface,  
 and method for improving adhesion of polyimide surface by applying the same to brown oxide process

☐ All Fees